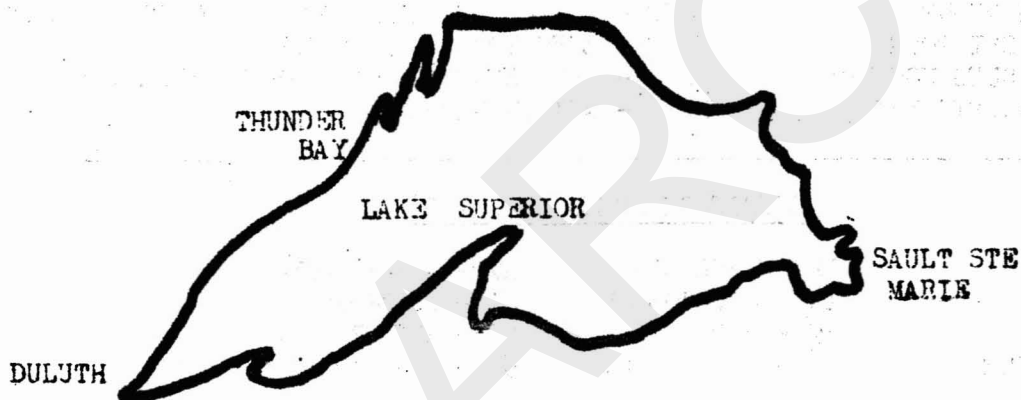


NOV - 1985

H1-Q

LAKEHEAD AMATEUR RADIO CLUB BULLETIN



REPEATERS
YQT 147.06
TBR 146.82

CLUB STATION
VE3 FW

FOUNDED 1934

INCORPORATED 1979

VE3 TBR FUNCTION SHEET

*1 - AUTOPATCH	*2 - TEST PAD	*3 - DIAL IN
*4 - AUTOPATCH	*5 - EME SPEED DIAL	*6 - WORK # SPEED DIAL (*)
*7 - HOME # SPEED DIAL	*8 - TIME	*9 - REDIAL
*05 - WEATHER OFFICE	* - RESET AUTOPATCH 5 MIN TIMER	
# - TERMINATE ALL FUNCTIONS		

SINGLE BEEP - RESET TIME-OUT TIMER DOUBLE BEEP - SEVERE WEATHER WATCH
TRIPLE BEEP - DIAL IN (345-5552) - USE *3 TO ANSWER
SPECIAL BEEP - EMERGENCY - PLEASE QSY TO VE3YQT
ANY DIGIT FOR TEN SECONDS - DISTRESS

TAIL MESSAGES

MEET - MEETING NIGHT	RACE - LEGION 10 MILE - HEART OF THUNDER BAY
SKI - SIBLEY SKI TOUR	VOTE - ELECTION DAY REMINDER
DUES - ANNUAL DUES NOW DUE	CLUB - CLUB STATION VE3FW OPEN (WED. NIGHT)
ARES - ARES TRAFFIC NET	NET - NET ON VE3YQT

EMERGENCY SPEED DIAL (*5)

00 - POLICE	12 - McKELLAR	40 - AIR CANADA
01 - OPP	13 - ST. JOSEPH	41 - NORDAIR
02 - FIRE	20 - EMO	42 - AUSTIN
03 - FOREST FIRE	22 - ROAD INFO.	53 - SKI
04 - AMBULANCE	23 - CITY HALL	60 - OPR SUPV.
05 - WEATHER OFFICE	24 - OML	61 - RED CROSS
10 - GENERAL HOSPITAL	30 - TOW N.	
11 - LPH	31 - TOW S.	

SPEED DIAL (*7)

AHD - 32	ECV - 24	ILV - 90	KRV - 70	NNR - 66
AJ - 62	EDW - 34	IY - 64	KRZ - 43	OPI - 47
ARN - 11	EDZ - 61	JAA - 21	LME - 41	OPL - 30
AVS - 76 *	EFC - 50	JAB - 37	LMG - 12	OPZ - 42
AXL - 40 *	EFZ - 33	JAJ - 55	LMI - 17	OTC - 73
AYZ - 13	GOW - 26	JAY - 10	LML - 36	OTI - 39
BBS - 23 *	HFS - 16 *	JQ - 25	LMN - 27 *	WF - 20 *
BCD - 28 *	HPT - 22	KRD - 99	LMV - 48 *	XJ - 15 *
CH - 29	HTM - 44	KRH - 45	MZX - 46	XT - 18
CK - 56 *	HXK - 38	KRN - 65	NHN - 60	ZG - 19 *
CX - 69 *	HZW - 57 *	KRO - 77	NHX - 14 *	
DJM - 49	ICY - 35	KRP - 88 *	NNO - 31	

THE NEXT MEETING OF THE L.A.R.C. WILL BE HELD THURSDAY NOVEMBER 14,
1985 AT THE E.M.O. BUILDING, CORNER OF WATERLOO/VICTORIA AVE.
COFFEE (JAVA, MUD, JOE ETC.) POP AND DONUTS WILL BE SERVED.

* * * * *

THE VICE PREZ SEZ

I first of all would like to thank all the members who attended the October meeting. Attendance in those numbers is very good to see and I hope we can keep those numbers up in future meetings to come! It also gives you the opportunity to have your say in club matters and also to catch up with those eyeball qso's you have been missing. I also would like to thank at this time Rob VE3OPZ, on a fine job at presenting the finer points of Packet Radio to us and hopefully this will stir up some interest locally in this mode. Those of you that did not attend this presentation sure missed a good one. If you have any further questions, please direct them to Rob and I'm sure he will be happy to help you.

As you know the club is raffling off a VCR and this is a club project. This is not Les VE3JAJ's or Bob VE3NHN's project alone! I would like total involvement of ALL club members in this endeavor and if you ALL want to share in the benefits that will be reaped from this, please help out. Contact Les or Bob for tickets or to help out at the malls or with whatever talents you may have. I don't want to hear any complaints from those who do not help. This seems to be the trend lately and hopefully we can change that way of thinking.

There is no demonstration yet tabled for the November meeting but if you have anything that can be done or presented, please inform Laurie VE3BCD or Vic VE3ECV.

As you know or may have heard, we have received some good publicity in the past little while and I would like to thank all individuals responsible for a job well done. Keep up the good work guys!

The code and theory classes seem to be moving right along and recent observations show some superior performance in morse code. I think we are going to have some real good hams come out of this one. My thanks to the instructors who are dedicating their precious time to the cause.

Please remember also that as the amended constitution denotes and I quote, "Dues shall be collected annually by the secretary/treasurer. If dues have not been paid by the October Meeting, said individuals shall CEASE to be club members." I think this is self explanatory.

As you know our PREZ is somewhere north of here (The Great White North as Bob and Doug McKenzie would call it) and I will be hosting the show here till Tom's return. If you have any problems feel free to contact me and I'll try to help or find someone who can. I cannot be a one man show and I don't intend to make it that way. Only with your help TOGETHER and we have the people with the "smarts" and the little time required. So let's get with it and show everyone who we are and what we can do. Thanks again for your past, present and future help!

MINUTES OF THE MEETING October 10, 1985

MEETING OPENED AT 8:10 P.M. BY ED VE3KRP

Round Table

Simulated Emergency Test (ARES)

REPEATER COMMITTEE - Answer to letter about Heliak - appears to be suitable - Skip VE3BBS

HI-Q - Purchased a Gestetner Machine for \$50.00 - VE3OPI

FUND RAISING - VCR purchased, Tickets being sold, Mall Display, at County Fair Plaza & Thunder Bay Mall - VE3JAJ

FINANCIAL REPORT by VE3LMN Ian

MOTION TO ACCEPT by VE3JAJ

SECONDED VE3ZG and passed

DISCUSSION ON CONSTITUTION CHANGES

- objectives as outlined in Sept. HI-Q with addition of Emergency Services - APPROVED
- RE Life Members - Not to exceed 6 - APPROVED
 - minimum time limit - NOT APPROVED
- Dues Limit - October Meeting Cutoff - APPROVED
- Regular Meetings to be held year round - APPROVED
- President or Vice President may call a meeting at any time providing mail notice is made to notify the members. Within 7 days from point of mailing - APPROVED
- Prepare an audited Financial Statement to be presented at the June Meeting - to be prepared by two members and signed - APPROVED
- Expenditures exceeding \$100.00 to be approved by a majority vote of a general meeting - APPROVED

NEW BUSINESS

- VE3JAA Arnold asked about Santa Claus Net - List of names of children in advance.
- VE3BBS Skip - Emergency Tail in use - QSY to VE3YQT
- Civic Auditorium - Opening Parade - Needs 3 Radio Operators

MOTION TO ADJOURN AT 9:40 P.M.

- by VE3JAJ

- Seconded by VE3 BBS and carried

DEMONSTRATION ON PACKET RADIO BY ROB GORDON VE3OPZ

The bank where I work had just installed its first 24-hour cash machine. I encouraged an elderly gentleman to take an application for the new plastic identification card, explaining that he would be able to get cash any time of day or night. He declined, saying, "Lady, anything I'd need money for that late at night I shouldn't be doing."

Writing for the Radio Society of Great Britain's June 1985 issue of 'Radio Communications', 'TECHNICAL TOPICS' editor Pat Hawker, G3VA, recounts the story of being the first contact for a new radio amateur who appreciates the art and science of radio communication.

"It is always an unexpected pleasure to be the very first station contacted on-air by a newly licensed amateur. Recently, I had this experience when working Peter Hall, G4ZPT, on 3.5 MHz while he was using a home built QRP transmitter.

"In a subsequent letter, G4ZPT wrote: 'Surely you could impress upon your readers the extraordinary pleasure awaiting anyone who can establish radio contact for the first time on home-built equipment. It is so easy to take the whole of radio communications for granted. Yet if one only stops to think about it, with just a handful of components, a Morse key, and a wire antenna strung up into a tree, it is possible for anyone to radiate tiny oscillating signals and converse with fellow human beings miles away. This is, by any reckoning, an extraordinary thing--too often forgotten by the many who buy all their 'gear', plug it in, switch on and talk. The remarkable combination of natural phenomena and electronics makes possible what must be the most exciting and interesting part of Amateur Radio; there, waiting to be grappled with, experimented and understood.

I realize my station is primitive and largely devoid of new features, but I defy anyone, with any equipment, to derive more enjoyment from the miraculous short waves. P.S. I am not an old fuddy duddy, but a 23 year old medical student."

VE3BBS

IDENTIFYING HAZARDOUS MATERIALS

As Amateur Radio operators, we occasionally find ourselves providing emergency communications when we happen upon an accident scene. Many times, radio amateurs are the first to report road or highway accidents to the authorities. In these cases, there is a tendency to check the vehicle to assess the number of injuries, if any, before or while making the emergency call. The authorities need this information to gauge their response accordingly. There is risk, of course, especially since many vehicles on the highways are carrying some form of Hazardous Materials. In the event one of these vehicles is involved in an accident, your knowledge of Hazardous Materials will help you protect yourself and everyone involved and to relay important information to authorities.

Determine if any Hazardous Material is involved before approaching the vehicle(s).

Vehicles carrying more than 1000 pounds or more of Hazardous Material are required by regulations to display a placard bearing an identification number. A four digit number, such as 1203 can be found either on a diamond-shaped sign or separately on a rectangular shaped card just below a diamond-shaped sign. It is very important to look for these signs when you come upon an accident, particularly on vehicles likely to be carrying hazardous materials (e.g. trailer or transport trucks).

These four digit numbers will indicate exactly what is being carried on that vehicle. This will allow Emergency Response teams the knowledge and the specific dangers posed by the substance, how best to handle the situation, specific first-aid information and suggested evacuation procedures.

Vehicles that carry less than 1000 pounds of hazardous material such as chain store trucks are not required to display a placard. Nonetheless, these trucks may carry small amounts of Hazardous Material of some type. In addition, they often carry such items as toilet cleaner and household bleach. If you've ever read the label on one of these products you'll know that if these two products are mixed together, they produce CYANIDE GAS. Hence, if one of these trucks is involved in an accident and these containers are mixed you have a hazardous material incident even though no placards are visible on the truck. Whenever a truck is involved in an accident, take heed to the possibility it may be carrying less than 1000 pounds of Hazardous Material.

PROTECT YOURSELF FIRST

The best action for you to take as an Amateur on the scene of a hazardous material incident is to stay back at a safe distance and report the information including the placard number if possible. Under NO circumstances should you risk approaching the vehicle(s), even if to aid the injured. Rescue personnel are taught a very important lesson during their training; protect yourself first. This might draw criticism from the public, but please understand: if rescue personnel are incapacitated in any way, who will help the people who are injured? Moreover, if you approach the vehicle(s) and become injured or overcome yourself, then the rescue personnel will have lost a valuable communications link plus have one more person to treat when they arrive. This is the last thing they need. PLEASE BE CAUTIOUS. It may save YOUR life.

EDUCATION AND TRAINING

Your best protection is knowledge. I suggest that all radio amateurs, particularly those actively involved in Emergency Services, obtain some type of training in this subject from local agencies. Your comments and input regarding this article are open for discussion at the next meeting.

(Parts are from ARRL Field Forum OCT85)

RADIO AMATEUR'S LIBRARY SET

A special offer on ARRL Publications is available by ordering the ARRL Library-Set. This set includes 19 of the most popular League publications including the ARRL Handbook for the Radio Amateur, Tune in the World with Ham Radio, ARRL Operating Manual, and the new license manual series (U.S.) Each set is available for \$90.00, postpaid. Editions sent will be those at the time of the order. If purchased separately, the total cost of the publications would be \$116.00.

Many Amateur Radio clubs purchase Library Set for donations to a local library. (It seems to me I overheard a QSO on 2M about this very subject lately). In any event think about it and some substitutions would have to be made (ie. Canadian Study Guide).

VE3BBS-Skip

SIMULATED EMERGENCY TEST (SET) 19OCT85

28 Local Amateurs participated in the Local Set on Saturday 19 October and I should like to take this opportunity to thank all who checked in. The 'Scenario' for our area was a rail collision at Thunder Bay involving two trains and toxic chlorine gases. Evacuation of large population, some loss of life and many casualties.

The telephone tree or 'Fan Out' worked exceedingly well, better than I had expected however from the first check in until the last station checking in was 29 minutes. This time would have to be reduced but taking into consideration that the majority of stations were available within the first 15 minutes after the call out this sheet did its job.

This was the first active Test we have had and some of the general comments were:

- fun to work with but we should have more of them
- surprised at the numbers of operators available
- not enough activity of VE3TBR once stations were swung to VE3YQT
- net control stations not having a station capability list (i.e. what equipment)
- with the close similarity of some call signs phonetics should have been used with all stations on their call signs.
- not enough traffic generated from local stations at simulated stations
- no preplanning session

SIMULATED EMERGENCY TEST (SET) (Continued)

To answer some of the general comments I would like the ARES members to think about the following. I will mention to VE3JJA the District Emergency Co-Ordinator about having more SETs in our area alone. 3 a year would surely sharpen our capability and would not upset too many weekends. I'm sure Woody would go along with this idea and we could involve all of NorthWestern Ontario.

-Suprised at the number of operators- We now have over 50 participating amateurs in the Thunder Bay ARES and more are becoming interested. If you want to join the group please contact me at the next General Meeting in November or contact me on 2M or at home 767-2307. I said when I got to 100 members (originally 50) I would discontinue accepting applications. Every amateur should get involved. Those people taking the course at the present time can get involved also. Become an associated member, act as runners, clerical loggers and other associated duties. You don't have to a licensed amateur to get involved.

-Not enough activity on VE3TBR- 146.940 simplex was used between some of the stations and seemed effective after some preparation and experimentation. I think that VE3TBR should be used for communications and passing of traffic between served agencies with VE3YQT the main emergency net. If TBR was busy then 146.940 simplex could be used. This secondary net would also be a directed net with a designated NCS (Net Control Station). Dan VE3KRO has some maps of the city and has agreed to bring them to the November meeting. It might be advisable to get a master copy of a city map and indicate the position of every ARES member on it so that beam heading would take only a second to caculate.

-Net control stations not having station capabilities of ARES members checking in- I will make sure that a station equipment list is available and printed in a future supplment to the ARES plan then not only NCS will have the list but all members. It will also remind those that upgrade or change their station to keep the list up to date.

Phonetics- With OTZ and OPZ, OTI and OPI and LMV and LMB it did get a little confusing on the air. This is something we dont want in an actual emergency. All stations should especially on the Emergency Frequency VE3YQT and VE3TBR use the phonetic alphabet. On the simplex frequency or once a QS0 is established then they can be dropped.

Not enough traffic generated-I think this was probably due to a number of things. First, not enough (none in fact) pre-planning. This was my fault and to rectify same would like to form a planning committee within the ARES. If we are looking at 3 SETs a year and to make them interesting we will need some imaginative ideas. I think that some amateurs did not know the proper ARRL format for message. This would be an idea for the Thursday night net or for a Saturday SET -Each Amateur has to prepare 1 properly completed ARRL message for transmission to another station on the net-. Something to look forward to.

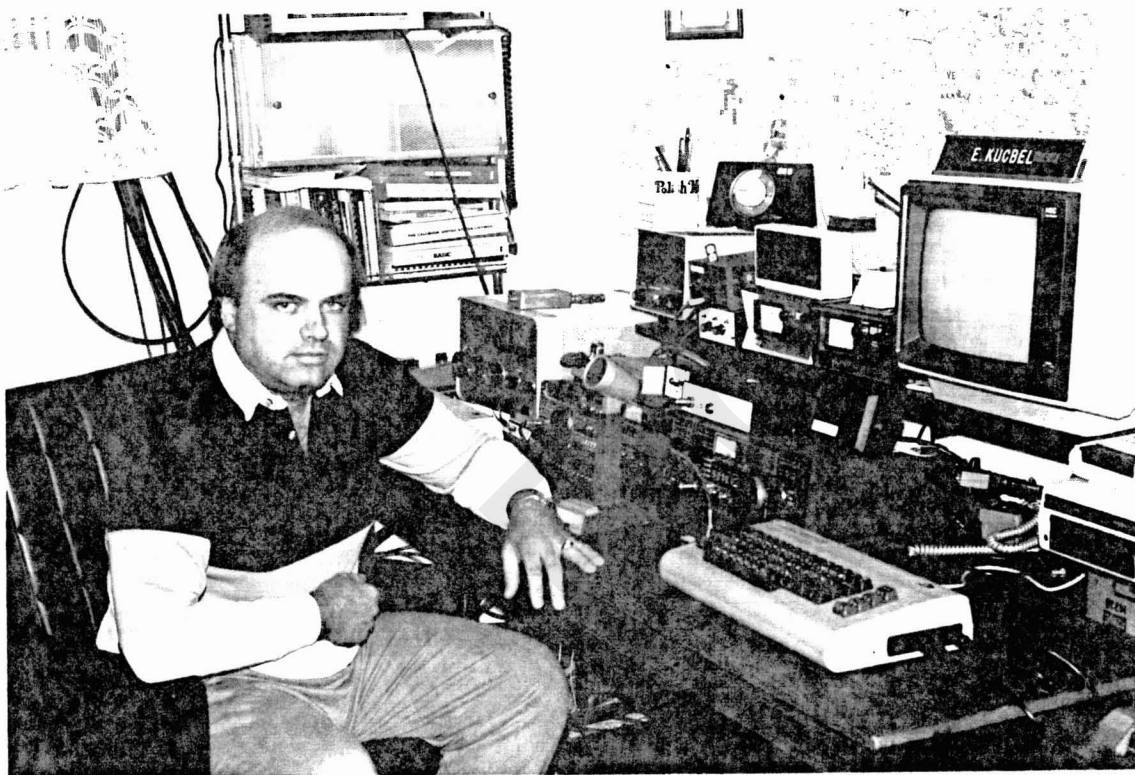
ALL IN ALL HOWEVER I WAS MOST PLEASED WITH THE TURNOUT, THE CONTROL AND THE STATION AVAILABILITY OF THE AMATEURS IN THE THUNDER BAY ARES. WE CAN ONLY IMPROVE OUR CAPABILITY AS FURTHER SET's TAKE PLACE.

CHRISTMAS MESSAGES

HO HO HO HO! Tis that season to be jolly. (Not already-what happened to summer)
Again this year we will be handling Christmas messages from the Senior Citizens homes in Thunder Bay. We need stations first-to man 2M at the homes on particular nights and also (and most importantly) stations to pass traffic on HF from Thunder Bay. I would like to include St Joesphs Heritage on the list of homes this year (we do have some equipment there and would solidify our position there) along with Grandview, Dawson Court, Pineview and Cumberland Hall. We would be looking at the possibility of about 200-300 pieces of traffic. Let's all get involved. Not only would you be looking at the passing of traffic on 2M but also HF. This would improve our traffic handling capabilities. Best 73's and see you at the November meeting.....

VICE PRESIDENT - ED KUCBEL VE3KRP-KAØPLN AMATEUR RADIO OPERATOR SINCE 1979

Ed is employed as a Field Engineer for NCR Canada Limited. He is a member of CARF, AMSAT & L.A.R.C. Ares and was licensed in 1979. American Novice call KAØPLN licensed in 1983. Among his many contacts and accomplishments, Ed remembers the contact to W5LFL Shuttle in December 1983 and his part in the Mexican Earthquake contact earlier this year. On a regular basis, he contacts VE3JAR Vic in Atikokan on 2 Meter Side Band.



Having been an Amateur Radio Operator since 1979, he has accumulated a very impressive collection of Radio and Computer Equipment.

HF - Kenwood TS 430S Transceiver
Heathkit SB-220 Amplifier
Icom 271A All-mode VHF Transceiver
Icom 471A All-mode UHF Transceiver

VHF Engineering VHF Amplifier
Mirage UHF Amplifier
TA33 JR Triband Beam
Hygain 14-Element Vertical Beam VHF
Two Phased Cushcraft Junior Bodmers VHF (Horizontal)
Home Brew UHF Beam Horizontal
VHF Circular Polarized Crossed Yagis
UHF 9 Turn Helical
80 Meter 1/2 Sloper

Vic 20 RTTY with Kantronics Interface

Commodore 64 for Satellite Tracking

AMATEUR REGULATORY NEWS

RECENT AMENDMENTS TO REGULATIONS GOVERNING AMATEUR OPERATIONS HAVE BEEN PUBLISHED IN THE CANADA GAZETTE RESULTING IN THE FOLLOWING CHANGES:

1. Occupied Bandwidth Provisions have been clarified.
2. Repeater operation is now permitted in the 29 MHz Band.
3. Slow-Scan TV is now permitted in the HF Bands, 75, 40, 20, 15 and 10 Meters, Designator is A4.
4. 6 MHz Bandwidth permitted for A5, Fast-Scan TV, on 1434 MHz and higher.
5. Visiting Amateurs allowed to use 144 to 148 MHz.
6. Removal of all restrictions on the use of the 160 meter band. Appendix X has been removed. Mobile operation is permitted.
7. U.S. Amateurs do not need written approval to operate in Canada.

THE VARIOUS CHANGES WILL INVALIDATE TRC-25 PRESENTLY IN CIRCULATION. A NEW TRC-25 SHOULD BE AVAILABLE SOON.

D.O.C. VE3ZG-M. Nawrocki

NEW HAMS

Congratulations to Frank Pianka-VE3OTZ who received his license from the last writing. Jennifer Marks was successful in the Theory Exam. As soon as she does her code, she will get her Certificate. Frank Jankevich VE3NYZ successfully completed his Theory and Regs. and has only code to do for his Advanced. He is an L.U. student in town.

VE3-ZG Mike

DIRTY LAUNDRY

NHP likes to pay extra road taxes, JAJ goes to Home Show but ends up in a Dog House, KRI gets temporary custody of radio-just long enough to check in, NHN likes to crawl in insulation, CX checks in via 2-Meter phonepatch, NNR gets new stick up, BBS knows what wet is, JAA has become our newest movie star, CX travels long way for Coffee Break Call.

Every year at this time the children can talk to Santa Claus via 2 meters. Leave your call sign and the children's names with Arnold VE3JAA. Exact date and further explanation of this contact will be mentioned at the November meeting.

VE3JAA - Arnold

The next writing of the Amateur Radio Exam will be February 12, 1986.

Cut-off date for signing up will be January 15, 1986.

SALT MINE NET

For the month of September we had a total of 362 checkins with 10 messages passed.

VE3JAA - Arnold

NEWS RELEASE - RADIO ACT CHARGES RESULTS IN GUILTY PLEA

Mr Martin Douglas Young appeared in Provincial Court, Burnaby B.C. this morning, charged with establishing a radio station and being in possession of radio apparatus contrary to the Radio Act. Mr. Young pleaded guilty to both charges.

Department of Communication inspectors seized the radio apparatus from Mr. Young during late December 1984, after investigating a report of unauthorized broadcast signals being heard on the FM radio band.

Provincial Court Judge Page imposed a fine of \$500.00 on each count for a total penalty of \$1,000.00.

FINANCIAL ACTIVITY Sept. 12 - Oct. 9/85

Opening Balance \$3,731.32

<u>REVENUES</u> - Club Dues	385.00
Course Registration	135.00
Interest	8.50
TOTAL	<u>\$528.50</u>

<u>EXPENSES</u> - To VE3NHN for Metal Boxes	100.00
Raffle Licence	18.00
VCR - Raffle	533.93
Raffle Tickets	132.36
Returned Cheque	77.50
Gestetner	50.00
TOTAL	<u>\$911.79</u>

DIFFERENCE

NEW BALANCE

383.29
\$3,348.03